WIGAN

RURAL DISTRICT COUNCIL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year 1910.

ROGER AND RENNICK, PRINTERS, WIGAN.

STANDISH,

FEBRUARY, 1911.

To the Chairman and Members of the Wigan Rural District Council.

Gentlemen,

The year 1910 having expired, it is my pleasing duty to lay before you particulars of the Public Health of the districts comprised, for your information.

With many thanks for your valuable support during the past year,

I am, Gentlemen,

Your obedient Servant,

J. H. WILSON, M.D.

Fellow of the Royal Institute of
Public Health;

Member of Incorporated Society
of Medical Officers of Health.

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SHEVINGTON.

Population, Census 1901	1753
,, Estimated, July, 1910	1918
Acreage of Township	1728 acres
Density of Population	1·1 per acre
Births—Males	30
Females	28
	58
Deaths—Males	16
Females	13
	29
Annual Birth-rate	30·2
Annual Death-rate	15·1
Natural Increase of Births over Deaths	29
Zymotic Deaths	2
Zymotic Death-rate	1·04
Deaths in Infants under 1 year	8
Infantile Deaths per 1,000 births	137·9
Illegitimate Births	1
Illegitimate Deaths under 1 year	0

Births.—These numbered 58, the infants being 30 of the male and 28 of the female sex. The number is less by 6 than in the previous year, when 64 were registered. This reduces the rate from 33.7 in 1909, to 30.2 for 1910.

DEATHS also showed a decrease, being 29, as against 33 for 1909, which lowers the rate from 17.4 to 15.1.

ZYMOTIC DEATHS.—Two deaths were registered, both from Diphtheria, which is equivalent to a rate 1.04. This is an increase of one over the previous year, in which the rate was the low one of 0.52. There was an epidemic of Mumps in Crooke in the spring, but there were no complications, and no deaths resulted.

INFANTILE DEATHS are twice as numerous as in the previous year, 8 being registered, or a rate of 137.9 per 1,000 births.

INFECTIOUS DISEASES.—Twenty-eight cases of infectious disease were notified, and consisted of 2 of Diphtheria, 10 of Erysipelas, 16 of Scarlet Fever. The Scarlet Fever cases were mostly in the Moor portion of the township, and amongst scholars attending the schools at Hunger Hill, in which they came in contact with scholars from the Mossy Lea portion of Wrightington.

HOUSING OF WORKING CLASSES.—No action taken.

DRAINAGE, SEWAGE, AND SEWAGE DISPOSAL.—As in other townships.

FACTORIES AND WORKSHOPS.—These are, one Chemical Works and one Bakery. Both inspected and found satisfactory.

COWSHEDS AND DAIRIES are inspected, and found well kept.

WATER SUPPLY is obtained from Standish Urban District, and is constant and of excellent quality. There have been no interruptions of supply.

SLAUGHTER HOUSES.—One only, and regulations carried out.

The Crooke portion of the district has been greatly improved during the year, by the provision of a good road. This has been a great convenience, and has also had a salutary effect, the amount of sickness in the district having been much less during the past winter than in previous years.

WRIGHTINGTON.

Population, Census 1901	1869
,, Estimated, July, 1910	2203
Acreage of Township	3916 acres
Density of Population	0·56 per acre
Births—Males	27
Females	29
	56
Deaths—Males	13
Females	16
	29
Annual Birth-rate	25·4
Annual Death-rate	13·1
Natural Increase of Births over Deaths	27
Zymotic Deaths	0
Zymotic Death-rate	0
Deaths in Infants under 1 year	6
Infantile Deaths per 1,000 births	107
Illegitimate Births	0
Illegitimate Deaths under 1 year	1

Births.—The births last year showed an increase of 2, being 56 in number, the rate being correspondingly higher at 25.4. The males numbered 27, and the females 29.

DEATHS.—These likewise show an increase, being 29, or 5 more than the previous year, with a rate of 13.1. The mortalities included 13 males and 16 females.

ZYMOTIC DEATHS.—None were recorded.

INFANTILE DEATHS.—As in Shevington, these are twice as numerous as in the previous year, being 6, which gives a rate per 1,000 births of 107.

INFECTIOUS DISEASES.—Three cases of Diphtheria, 1 of Erysipelas, 37 of Scarlet Fever, 2 of Enteric Fever, and 1 of Puerperal Fever were notified, making 44 for the year. None of these cases proved fatal.

DRAINAGE, SEWAGE, AND SEWAGE DISPOSAL.—In a portion of the district of Appley Bridge the pail system is in use. The frequency of the complaints of neglect of ashpit cleansing for the Mossy Lea district caused the Council to change the contractor for this work, and the work has since been carried out more satisfactorily.

WATER SUPPLY.—The Hill Dale district is supplied from Parbold, and the Appley Bridge area from Uuholland, but the Mossy Lea district is still dependent on well water. A scheme, with the object of supplying this portion of the township with water obtained from the land of the Hon. R. Gerard-Dicconson, was prepared by the Council's Engineer, and an inquiry held, but the scheme was not sanctioned.

SLAUGHTER HOUSES.—One has been registered during the year, making 2 for the whole township. They are well attended to.

DAIRIES AND COWSHEDS.—These have been considerably improved during the past year.

PARBOLD.

Population, Census 1901	579
,, Estimated, July, 1910	654
Acreage of Township	1159 acres
Density of Population	0·56 per acre
Births—Males	6
Females	4
	10
Deaths—Males	0
Females	4
	4
Annual Birth-rate	15·2
Annual Death-rate	6·1
Natural Increase of Births over Deaths	4
Zymotic Deaths	1
Zymotic Death-rate	1·5
Deaths in Infants under 1 year	0
Infantile Deaths per 1,000 births	0
Illegitimate Births	1
Illegitimate Deaths under 1 year	0

Births are the same in number as for the previous year, viz., 10, six being males and 4 females, with a rate of 15.2.

Deaths dropped from 10 in 1909, to 4 in 1910; the rate 6.1 Of these, two were in persons aged 70 and 82 years respectively; the others being aged 34 and 42 years.

Zymotic Deaths.—One was recorded, and was one of Enteric Fever, an adult, who was brought from Liverpool suffering from the disease. The rate is 1.5.

There were no deaths in infants under one year.

INFECTIOUS DISEASE.—Twelve cases were notified, 11 of which were Scarlet Fever and one of Enteric Fever. The Scarlet Fever cases occurred in the spring, were all about Alder Lane, and the affection was imported into Parbold by children attending a school in a neighbouring township.

DRAINAGE, SEWAGE, AND SEWAGE DISPOSAL.—As in other townships.

FACTORIES AND WORKSHOPS.—These are inspected, and comprise two Bakeries and one Mill, used only for storage purposes.

SLAUGHTER HOUSE.—This is well looked after.

WATER SUPPLY is of good quality, and the supply continuous. Constant supervision is given to its storage, and the supply is ample for the needs of the district. The Hill Dale portion of Wrightington is also supplied from Parbold. A sample of the water analysed October 4th gave the following result:—

Total residue on evaporation = 23.80 grains per gallon.

Chlorine Chlorides = 1.60.

Nitric Nitrogen = trace.
Oxygen required for organic matter = .01.
Temporary hardness (Clarke's scale) = 9.9.
Permanent hardness = 7.5.
Free Ammonia (parts per million) = .00.
Albumenoid Ammonia = .01.
Lead = none.

Observations.—This water is very pure and free from organic matter. It is rather hard, but is an excellent water for drinking purposes.

(Signed) HERBERT E. DAVIES.

School Closure.—During October it was necessary to exclude a number of children from attendance at the Roman Catholic School on account of an outbreak of Chickenpox, but total closure was not required, the outbreak quickly subsiding.

Cowsheds and Dairies.—We had to complain of overcrowding and insufficient ventilation, also of housing pigs under same roof as cattle. Representations were made to the owners, the Trustees of Dorning's Charity, who promised to carry out my suggestions. The matter has, however, solved itself, as the occupier has disposed of the milk business. I also have the promise of the Trustees that the premises will not be let again without restrictions as to the keeping of cattle.

HAIGH.

Population, Census 1901	1164
,, Estimated, July, 1910	1635
Acreage of Township	2135 acres
Density of Population	0·76 per acre
Births—Males	11
Females	24
	35
Deaths—Males	5
Females	6
	11
Annual Birth-rate	21·4
Annual Death-rate	6·72
Natural Increase of Births over Deaths	24
Zymotic Deaths	0
Zymotic Death-rate	0
Deaths in Infants under 1 year	1
Infantile Deaths per 1,000 births	0·76
Illegitimate Births	1
Illegitimate Deaths under 1 Year	1

BIRTHS.—Eleven male and 24 female infants were born, the total being one less than the previous year. The rate is 21.4.

DEATHS fell from 13 in 1909 to 11 last year, and included 5 male and 6 female persons. The causes of death were various, and comprised Gastritis, Tuberculous Diseases, Bronchitis, Pneumonia, and Heart Disease. I am glad to be able to add that there were no deaths from drowning, a cause which has formerly unfortunately been too frequent.

INFECTIOUS DISEASES.—Ten cases of Zymotic Disease were reported, and included 1 of Diphtheria, 3 of Erysipelas, and 6 of Scarlet Fever, the latter all being in the district of Red Rock and the Bleachworks. Two of the cases of Scarlet Fever were removed to the Wigan Sanatorium for treatment. In the previous year 15 cases were notified. There was no death from any of the cases reported during the year.

No school closure was adopted on account of infectious disease.

DRAINS, SEWERS, AND SEWAGE DISPOSAL.—At the western portion of the township water carriage and outfall works have been provided, and work with every satisfaction. In the rest of the township the work is carried out by contract.

WATER SUPPLY.—This is continuous, and of good quality, being obtained from the adjoining township of Blackrod.

DALTON.

Population, Census 1901	422
,, Estimated, July, 1910	451
Acreage of Township	2104 acres
Density of Population	0·2 per acre

Births—Males	... ...	5
Females	... .	7
		12
Deaths—Males	... ...	2
Females	... ...	4
		6

Annual Birth-rate	... ...	26·6
Annual Death-rate	... ...	13·3
Natural Increase of Births over Deaths	... ...	6
Zymotic Deaths	... ...	0
Zymotic Death-rate	... ...	0
Deaths in Infants under 1 year	... ...	3
Infantile Deaths per 1,000 births	... ...	25·0
Illegitimate Births	... ...	2
Illegitimate Deaths under 1 year	... ...	1

BIRTHS.—Five males and 7 females were born, the number being two more than in 1909.

DEATHS increased to 6, from 3 the previous year. Three of the deaths, however, were in infants, from Premature Birth, the remainder being due to Epidemic Influenza, Tuberculous Disease, Bronchitis, and Pneumonia respectively.

ZYMOTIC DISEASES.—No infectious disease was notified; there is, therefore, no zymotic death-rate.

DEATHS IN INFANTS.—There were no infantile deaths besides the three previously referred to.

There are no workshops, factories, or slaughter houses.

WATER SUPPLY is good, but hard, and derived from springs and deep wells.

WORTHINGTON.

Population, Census 1901	258
,, Estimated, July, 1910	281
Acreage of Township	659 acres
Density of Population	0·4 per acre
Births—Males	7
Females	4
	11
Deaths—Males	0
Females	3
	3
Annual Birth-rate	39·14
Annual Death-rate	10·67
Natural Increase of Births over Deaths	8
Zymotic Deaths	0
Zymotic Death-rate	0
Deaths in Infants under 1 year	1
Infantile Deaths per 1,000 births	90·9
Illegitimate Births	2
Illegitimate Deaths under 1 year	0

Births have increased by three, eleven being registered, which gives the increased rate of 39.14.

Deaths.—The deaths of three females were registered, but no males. This compares with seven deaths—two male and five female—in 1909, and gives the low rate 10.67.

Deathe in Infants.—One only occurred, and was due to Premature Birth.

Zymotic Diseases.—One case only was reported—Erysipelas. There were no deaths due to zymotic disease.

Water Supply.—The only portion supplied publicly is the Platt Lane one, the rest of the district relying on wells and springs.

Sewage and Refuse Disposal.—Is removed by contract, and disposed of on agricultural land.

There are no slaughter houses or lodging houses.

One factory, which is well provided with necessary sanitary conveniences.

Statistical Summary for whole District.

Population	Census 1901	6213
,,	Estimated, July, 1910	7145
Acreage of District		11701
Density of Population		0·6 per acre
Births—Males		86
	Females	96
		182
Deaths—Males		39
	Females	43
		82
Annual Birth-rate		25·47
Annual Death-rate		11·47
Natural Increase of Births over Deaths		100
Deaths from Zymotic Disease		3
Zymotic Death-rate		0·4
Deaths in Infants		19
Infantile Death-rate		104·3
Illegitimate Births		7
Illegitimate Deaths under 1 year		3

Births.—The largest number was recorded in Shevington, but the highest rate belongs to Worthington. The number is the same as for the previous year, 182, made up of 86 males and 96 females, and gives a rate of 25.47.

Deaths.—The deaths were recorded of 39 males and 43 females (82), and is 8 less than in the previous year. The largest number occurred in Shevington and Wrightington, with 29 in each township; whilst the smallest number (3) were recorded in Worthington. The lowest death-rate is that of Parbold, viz., 6.1, Haigh being next with 6.7.

DEATHS IN INFANTS.—These have risen from 10 in 1909 to 19 last year, and the rate has increased accordingly from 54.9 to 104.3. It should be mentioned, however, that four of the deaths were in infants prematurely born. Of the others, 5 were caused by Chest Affections, 2 by Heart Disease, 2 by Tuberculous Diseases, 1 by Enteritis, and 5 by other affections.

ZYMOTIC DISEASES AND DEATHS.—The cases notified were 95 in number, or 5 more than the previous year, the largest number being in Wrightington, 44; whilst Dalton had none. The large number in Wrightington is due to the outbreak of Scarlet Fever, which affected the scholars attending the St. Joseph's School, and was principally in children from the districts of Mossy Lea and Wrightington Bar. The outbreak began in June, and went on almost to the end of the year. The same outbreak affected some of the children from Shevington Moor who attend the school. There was also a smart outbreak of Mumps in Crooke (Shevington) in the spring, but this quickly disappeared. Scarlet Fever was also prevalent in a portion of Parbold in the spring. This also had its origin in children attending a certain school in a neighbouring township, and was by them conveyed to other children with whom they played on their return from school. In the autumn Parbold also had an outbreak of chickenpox, but the exclusion of affected children from school soon terminated it.

The deaths occasioned were three, two from Diphtheria (both in Shevington), and one from Enteric Fever in Parbold; the rate being 0.4.

An order which ought to have far reaching effects for good was promulgated by the Local Government Board during the year, viz.: The Diphtheria Antitoxin Order (Outside London), which empowers Councils to provide antitoxin serum for the treatment of Diphtheria in cases in which people are not able to provide it for themselves. If medical advice is sought early for those so affected and prompt advantage taken of the provisions of the Order, I believe Diphtheria will be seldom seen as a cause of death in future annual reports of medical officers of health.

School Closure was not required, exclusion was adopted at Parbold, and proved sufficient.

Cleansing and Scavenging.—This is carried out in all townships by contract, and is generally well done.

Drains, Sewers, and Sewage Disposal.—With the exception of a portion of Haigh, there is no sewering and no works for sewage treatment. It is generally by means of cesspools and ditches, or other watercourse. It was hoped that the scheme which the Council have had prepared would be well in hand by now, but such has unfortunately not been the case. No time will, however, I am sure, be lost by the Council when the Wigan Scheme is completed, and the necessary terms arrived at.

Dairies, Cowsheds, and Milkshops.—These are inspected, and generally satisfactory.

Lodging Houses.—There are none.

Housing of Working Classes Act.—No action taken.

Food and Drugs Act.—No action taken.

Notification of Births Act.—Not adopted.

Water Supply.—The whole of Shevington is supplied continuously by Standish; Appley Bridge by Upholland; Parbold has its own public supply, and also provides a supply for the Hill Dale portion of Wrightington; Haigh and Platt Lane portion of Worthington are supplied publicly, but the greater portion of Wrightington, Dalton, and Worthington have no public supply, all depending upon springs and wells.

FACTORIES AND WORKSHOPS.—The premises coming under the scope of this Act are:—

2	Bleaching and Dyeing Works.
1	Brewery.
1	Corn Mill.
3	Bakeries.
1	Chemical Works.
1	Linoleum Works.
1	Brickworks.
3	Basket Makers.

These were all inspected, and the provisions of the Act found complied with.

MEAT INSPECTION.—No special provision is made for carrying out this work, being in the hands of the Nuisance Inspector and myself. No food unfit for human consumption has been found exposed for sale. There is no public market in which food is exposed for sale.

ACCIDENTAL DEATHS.—Three occurred, all in Wrightington, two from drowning, one a child of six years, the other a man of 77; whilst one was a case of burning in a woman aged 74.

TABLE. I.

	Births.	Rate.	Deaths.	Rate.
Shevington	58	30.2	29	15.1
Wrightington	56	25.4	29	13.1
Haigh	35	21.4	4	6.7
Dalton	12	26.6	6	13.3
Worthington	11	39.14	3	10.67
Parbold	10	15.2	4	6.1

Number of Cases of Infectious Disease Notified.

(For Details, see Table 4.)

	No.	Deaths.	Rate.
Wrightington	44	0	0.
Shevington	28	2	1.04
Parbold	12	1	1.5
Haigh	10	0	0.
Worthington	1	0	0.
Dalton	0	0	0.
Total	95	3	0.4

TABLE 2.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1910, AND PREVIOUS YEARS.

WIGAN RURAL DISTRICT.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.			
				Under 1 Year of Age		At all Ages.	
		Number	Rate*	Number	Rate per 1,000 Births registered.	Number	RATE*
1	2	3	4	5	6	7	8
1908	6·925	168	24·26	18	107·14	106	15·30
1909	7·035	182	25·87	10	54·9	84	11·94
1910	7145	182	25·47	19	104·3	78	10·91

		Deaths of Residents registered in Public Institutions beyond the District	Nett Deaths at all ages belonging to the District	
			Number	Rate
1908	...	9	115	16·60
1909	...	6	90	12·79
1910	...	4	82	11·47

Total Population at all ages, 7,145.

Institutions outside the District receiving sick and infirm persons from the district—*Wigan Infirmary*; *Wigan Workhouse*.—Both outside.

TABLE 3.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1910, AND PREVIOUS YEARS.

WIGAN RURAL DISTRICT.

YEAR.	Population estimated to middle of each year.	Births Registered.	Deaths at all ages.	Deaths under 1 year.
		SHEVINGTON.		
1908 ...	1894	51	34	5
1909 ...	1906	64	33	4
1910 ...	1918	58	29	8
		WRIGHTINGTON.		
1908 ...	2127	58	34	4
1909 ...	2165	54	24	3
1910 ...	2203	56	29	6
		PARBOLD.		
1908 ...	638	13	14	2
1909 ...	646	10	12	1
1910 ...	654	10	4	0
		HAIGH.		
1908 ...	1542	24	21	2
1909 ...	1590	36	13	1
1910 ...	1638	35	11	1
		DALTON.		
1908 ...	447	13	5	2
1909 ...	449	10	3	0
1910 ...	451	12	6	3
		WORTHINGTON.		
1908 ...	277	9	7	3
1909 ...	279	8	5	1
1910 ...	281	11	3	1

TABLE 4.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1910.

WIGAN RURAL DISTRICT.

Cases Notified in whole District.

Notifiable Disease.	At all Ages.	At Ages–Years Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upw'rds
Diphtheria	6	...	2	3	...	1	...
Erysipelas	15	...	1	...	5	8	1
Scarlet Fever	70	...	27	40	2	1	...
Enteric Fever	3	...	...	2	...	1	...
Puerperal Fever	1	...	...	...	...	1	...
Totals	95	...	30	45	7	12	1

Total Cases Notified in each Locality.

	Shevington.	Wrightington.	Parbold.	Haigh.	Dalton.	Worthington.
Diphtheria	2	3	...	1	...	...
Erysipelas	10	1	...	3	...	1
Scarlet Fever	16	37	11	6	...	...
Enteric Fever	...	2	1	...	...	...
Puerperal Fever	...	1	..	...	...	...
Totals	28	44	12	10	...	1

Cases removed to Hospital :—Scarlet Fever 2.

Isolation Hospital :—Cottage Hospital, Shevington.

Total available Beds, 4.

Number of Diseases that can be concurrently treated, 1.

TABLE 5. CAUSES OF, AND AGES, AT DEATH.

WIGAN RURAL DISTRICT.

Cause of Death.	All Ages.	Under 1 Year	1 and Under 5	5 and Under 15	15 and Under 25	25 and Under 65	65 and upwards	DISTRICTS					
								Shevington	Wrightton	Parbold	Haigh	Dalton	Worthington
Diphtheria ...	2	0	0	1	1	0	0	2	0	0	0	0	0
Enteric Fever ...	1	0	0	0	0	1	0	0	0	1	0	0	0
Influenza ...	2	0	0	0	0	0	2	0	1	0	0	1	0
Enteritis ...	2	1	1	0	0	0	0	2	0	0	0	0	0
Gastritis ...	2	0	2	0	0	0	0	0	1	0	1	0	0
Phthisis ...	3	0	0	0	1	2	0	2	1	0	0	0	0
Other Tuberculous Diseases	6	2	0	1	0	3	0	2	2	0	1	1	0
Bronchitis ...	8	3	0	1	0	2	2	4	2	0	1	1	0
Pneumonia ...	9	2	1	0	0	5	1	2	4	0	1	1	1
Cirrhosis of Liver ...	1	0	0	0	0	1	0	0	0	1	0	0	0
Premature Birth ...	4	4	0	0	0	0	0	1	0	0	0	2	1
Heart Diseases ...	8	2	0	0	1	4	1	5	1	0	2	0	0
Accidents ...	3	0	0	1	0	0	2	0	3	0	0	0	0
All other Causes ...	31	5	0	0	0	11	15	9	14	2	5	0	1
All Causes ...	82	19	4	4	3	29	23	29	29	4	11	6	3

TABLE 6.

INFANTILE MORTALITY DURING THE YEAR 1910.

Deaths from stated causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Und. 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	8-9 months	9-10 months	10-11 months	11-12 months	Total deaths under one Year.
All Causes :—																	
Certified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœal Diseases :																	
Diarrhœa, all forms... ...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Enteritis, Muco-enteritis, Gastro-enteritis	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
~~Gastritis, Gastro-intestinal Catarrh~~ Premature birth	4	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	4
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	1	...	...	...	...	..	...	...	1
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Other Causes :																	
Convulsions	1	...	...	...	1	...	...	...	...	...	...	...	...	..	...	...	1
Bronchitis	...	...	...	...	...	...	...	2	1	...	...	...	...	...	...	...	3
Pneumonia	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2
Other causes	3	1	...	...	4	...	...	...	...	1	...	...	...	1	...	...	6
	8	1			9	1		3	3	1		1		1			19

District of Wigan Rural.

Births in the year, legitimate, 175 ; illegitimate, 7. Population, estimated to middle of 1910—7,145.

Deaths from all causes at all ages, 82. Deaths in the year of legitimate infants, 16 ; illegitimate infants, 3.

Annual Report of the Medical Officer of Health for the Year 1910, for the Rural District of Wigan.

on the Administration of the Factory and Workshop Act, 1901, in connection with

Factories, Workshops, Workplaces and Homework.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Inspections.	Written Notices.
FACTORIES ... ... (Including Factory Laundries)	15	—
TOTAL	15	—

2.—DEFECTS FOUND.—None.

3 —HOME WORK.—None.

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year	Number.
Corn Mills	1
Breweries	1
Dye Works	2
Chemical Works	1
Bakehouses	3
Linoleum Works	1
Brickworks	1
Basket Makers	3
Total number of workshops on Register ...	13

5.—OTHER MATTERS.—None.

Summary of Medical Officer's Report for 1910.

Rural District of Wigan.

Area in Statute Acres ... 11,701   Population (Census 1901) ... 6,213   Population (Estimated), 1910... 7,145

Births Registered Males, 86; Females, 96; Total, 182   Deaths Registered—Males, 39; Females, 43; Total, 82

Number of Illegitimate Births Registered ... 7   Deaths of Illegitimates under one year of age ... 3

Birth Rate ... 25·47   Death Rate, 11·47   Rate of Infant Deaths, under 1 year, to 1,000 Births 104·3

Death Rate from the seven principal epidemic Diseases per 1,000 of population ... 0·4

Diseases specially prevalent—Scarlet Fever   Period? Throughout the year

Any Schools closed? No

Number of Special Reports made under Art. 18 (15)) L.G.B. Order, March, 1891—None.

What is the character of the Hospital Accommodation?
For Smallpox only (Cottage)
For other Infectious Diseases: None

SUMMARY.—*Continued.*

No. of Beds available for your district? For Smallpox .. 4 For other Infectious Diseases? None

No. of cases removed to Hospital from your District—Scarlet Fever, 2

Deaths in Hospital of Patients from your district, 4 From what causes? Strangulated hernia ... 1 Bronchitis ... 1
Senile Decay ... 1 Pneumonia ... 1

How is Disinfection carried out?
Houses Fumigated by Sulphur
Apparatus used for Clothing, Bedding, &c. (steam or otherwise)? By Fumigation
Where is apparatus situated? None kept

Number of cases of Infectious Diseases reported under the Notification Act ... 95

Are any diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, Ophthalmia Neonatorum, &c.)? If so, what are they? No

Bacteriological Examinations. Number and nature of specimens examined? None

Has any arrangement been made for the "voluntary" notification of Pulmonary Tuberculosis? No

Number of cases of Pulmonary Tuberculosis reported under the Public Health (Tuberculosis) Regulations, 1908? None

Has any arrangement been made under the Diphtheria Anti-toxin Order, 1910? Yes

SUMMARY.—*Continued.*

From where is the Water Supply obtained?	Various sources
What is its condition?	Good condition.
Is it subject to your inspection?	Yes
Is Scavenging and Removal of House Refuse carried out satisfactory?	Not entirely, but generally well carried out.
How performed (by Sanitary Authority, Contract, or Occupiers of Houses)?	By Contract
How is the Refuse disposed of?	On Agricultural Land
Has a Destructor been provided?	No
Sewage Disposal Works Method of treatment?	By drains and cesspools mostly. Haigh has Sewage Works for portion of township
What is the character of the Drainage System?	Good
Drain Testing, Flushing, &c.?	Systematically done
Action taken with regard to the Pollution of Streams?	None
Canal Boats: Number inspected?	67
	Number of Infringements of Acts? None
What is the condition of the Bakehouses?	Good
,, Slaughter Houses?	Good Has a Public Abattoir been provided? No
,, Lodging Houses?	None

SUMMARY.—*Continued.*

What is the Sanitary condition of the Schools ?	Good
Dairies, Cowsheds, and Milkshops—	
Are they periodically inspected ?	Yes What is their condition ? Generally Good
Have Regulations been made under the order of the L.G.B. ?	Yes Are they enforced ? Yes
Amount of air space in cubic feet required for each cow ?	600
Number of Cowkeepers ?	Number on Register, 37
Number of Dairymen or Purveyors of Milk (other than Cowkeepers) ?	Number on Register, 1
Food unfit for Human Consumption :	
Amount seized ?	None
Number of Legal Proceedings and result ?	None
Department of Inspector of Nuisances	Number of Notices served, 29 Nuisances remedied, 26 Number of Legal Proceedings taken and result—None taken.
Closet accommodation of the district	Number of Privy Middens, 924 ; Pail Closets, 60 ; Fresh Water Closets, 67
Smoke	Number of Observations, None ; Number of Legal Proceedings taken and result, None ; What is the time limit allowed for the emission of black smoke per hour—None fixed

SUMMARY.—*Continued.*

Has the Authority adopted—	"The Infectious Disease (Prevention) Act, 1890"? Yes; "The Public Health Acts Amendment Act, 1907"? No; "The Public Health Acts Amendment Act, 1890"? Yes; "The Notification of Births Act, 1907"? No
Has a Health Visitor been appointed?	No
Notable Sanitary Improvements during 1910	Better arrangement for dealing with scavenging and cleansing, Draining and road making in Crooke district, and in Appley Bridge.
Chief Sanitary requirements of district	A Sewerage Scheme Provision of Water Supply for district of Mossy Lea

Signed,
J. H. WILSON,
Medical Officer of Health.

March, 1911.